## Key West Background Turbidity Field Sheet Station(s) E-KWT03- & E-KWT03-Water and Air Research, Inc. Project: PPB/COE - Key West Background Turbidity 6821 S.W. Archer Road Project Number: 03-7333-03 Gainesville, Florida 32608 Field Team Members: CRF FAH MC Phone: 352/372-1500 Calibration Date: Retrieved HYDROLAB # 37355 from Station E-KWT03- 8 at 0848 hrs on 10/2703. Checked file content: Yor N Backed up file Downloaded File: E-KWT03-8-102703 Many Power Losses Deployed at Station E-KWT03-**Turbidity** Time: <sup>≯</sup> Calibration Responses (NTU) Calibration Standard PreCal **PostCal** ReCal-1 ReCal-2 (Circulator ON) DIW or Air 20 or Check Std 5 or read only (must be 3.75 to 6.25 or $\pm (5\% + 1NTU)$ ) Time Check- Hydrolab 13: 29: Cleaned sensor: Yes or No Created New File: E-KWT03-1BP = 10.7vBattery used up Programmed to start at --/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50) \_ hrs on \_ Data Terminal Cap: Silicone applied: Y/N by \_\_\_\_\_ Cap burped: Y/N by Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status. Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at:

ills
Weather, Sea State, Currents and Other Observations
Weather Conditions: Partly Cloudy
Weather Conditions: Partly Cloudy Wind Direction: NNE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong
Sea State: Calm Slight Rough Very Rough Approx. Wave Height: 1 - 2 ft
Tidal Stage: Falling Slack Low Rising Slack High  Water Mass Boundary Present: YN look pictures of tide diguge when water Surface Current Direction (flowing to): \[ \lambda \] and Speed: \[ \lambda \] and Speed: \[ \lambda \] mph were distinct.
Current Monitoring Buoy: DGPS Serial No Track ID:
Time deployedhrs, Time retrievedhrs Nominal depth to drum top:ft
Obvious Cross Wind or Currents: Y /N
Recent Ship Traffic: Y/N
Other Observations: Removed pipes X EST  GPS KW-8
KW-BkgrdTurbFldSht3.doc 10/17/03

## Key West Background Turbidity Field Sheet Station(s) E-KWT03-**E-KWT03-**Water and Air Research, Inc. Project: PPB/COE - Key West Background Turbidity 6821 S.W. Archer Road Project Number: 03-7333-03 Gainesville, Florida 32608 Phone: 352/372-1500 Calibration Date: Retrieved HYDROLAB # 37 355 from Station E-KWT03-8 at 0930 hrs on 10 / 27/03. Downloaded File: E-KWT03-8-102503 Checked file content: Yor N Backed up file: Yor N Power tailures with padding in place. HYDROLAB # 37355 Deployed at Station E-KWT03- & at 10/5 hrs on 10/27/03. Time: 0955 **Turbidity** Calibration Responses (NTU) Calibration Standard PreCal PostCal ReCal-1 ReCal-2 DIW or Air (Circulator ON) 0.0 19.7 5 or \_\_\_\_ read only Check Std 5/ope Cq/50 (must be 3.75 to 6.25 or $\pm (5\% + 1NTU)$ ) 45.5Time Check- Hydrolab \_\_:\_\_: Watch \_\_:\_: Cleaned sensor: Yes or No Created New File: E-KWT03- $\frac{57355}{8}$ = $\frac{11.1}{V}$ Battery used up $\frac{10}{2703}$ Programmed to start at 1010 thrs on 10/27/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50) 11.(V Data Terminal Cap: Silicone applied (Y) N by EAH Cap burped: Y N by EAH Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status. Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: hrs Weather, Sea State, Currents and Other Observations Weather Conditions: Wind Direction: N NE E (SE)S SW W NW Wind Conditions: Calm Slight (Breezy Strong Sea State: Calm (Slight Rough) Very Rough Approx. Wave Height: / ft Tidal Stage: Falling Slack Low Rising Slack High Water Mass Boundary Present. Y Surface Current Direction (flowing to): \_\_\_\_\_\_\_ and Speed: \_\_\_\_\_\_ mph DGPS Serial No. Current Monitoring Buoy: Track ID: Time deployed \_\_\_\_\_hrs, Time retrieved hrs Nominal depth to drum top: ft Obvious Cross Wind or Currents: Y/N Recent Ship Traffic (Y)/N Navy ship departed as we approached station Other Observations: \* EST

#### Key West Background Turbidity Field Sheet Station(s) E-KWT03- & E-KWT03-Water and Air Research, Inc. Project: PPB/COE - Key West Background Turbidity 6821 S.W. Archer Road Project Number: 03-7333-03 Gainesville, Florida 32608 Field Team Members: Phone: 352/372-1500 Calibration Date: Retrieved HYDROLAB # 37355 from Station E-KWT03-8 at 0820 hrs on 10/25/03. Downloaded File: E-KWT03-8-102303 Checked file content: Yor N Backed up file: Yor N Many power failures HYDROLAB # 37355 Deployed at Station E-KWT03- 8 at 0917 hrs on 10 /25/03. **Turbidity** Time: 0850 Calibration Responses (NTU) Calibration Standard PreCal PostCal ReCal-1 ReCal-2 (DIW) or Air 0,0 (Circulator ON) 20,2 Check Std (must be 3.75 to 6.25 or $\pm (5\% + 1 \text{NTU})$ ) 5 $\sqrt{6}$ DBP varied from 6.8 to 10.2 Time Check- Hydrolab <u>08:58:39</u> Watch <u>08:58:40</u> Cleaned sensor: Yes or No Created New File:E-KWT03-8-102503 IBP =Battery used up 10/25/03 Programmed to start at 0.9/0 hrs on 10/2.5/03 at 2-min. intervals. (start times at 00, 40, 20, 30, 40, 50) Data Terminal Cap: Silicone applied: (Y) N by EAH Cap burped YN by EAH Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status. Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: Weather, Sea State, Currents and Other Observations Sunny w/ some clouds Weather Conditions: Wind Direction: N NE (E) SE S SW W NW Wind Conditions: Calm Slight (Breezy) Strong Sea State: Calm (Slightle Rough) Very Rough Approx. Wave Height: Tidal Stage: Falling Slack Low Rising Slack High Water Mass Boundary Present: Y/N/ Surface Current Direction (flowing to): and Speed: DGPS Serial No. \_\_\_\_ Current Monitoring Buoy: Track ID: Time deployed hrs, Time retrieved hrs Nominal depth to drum top: Obvious Cross Wind or Currents: Y/N Recent Ship Traffic: Y Other Observations:

V to dry battery ec KW-BkgrdTurpFldSht3.doc 10/17/03

#### Key West Background Turbidity Field Sheet Station(s) E-KWT03- Z E-KWT03-Project: PPB/COE - Key West Background Turbidity Water and Air Research, Inc. 6821 S.W. Archer Road Project Number: 03-7333-03 Field Team Members: CRF Gainesville, Florida 32608 Phone: 352/372-1500 Calibration Date: Retrieved HYDROLAB # 37.355 from Station E-KWT03- 8 at 1908 hrs on 10/23/03. Downloaded File: E-KWT03-8-102103 Checked file content (Yor N Backed up file: Yor N Many power tailures HYDROLAB # 37355 Deployed at Station E-KWT03- 8 at $\sqrt{720}$ hrs on $\sqrt{6}/23/03$ . Time: 1524 Calibration Responses (NTU) **Turbidity** Calibration Standard PreCal PostCal ReCal-1 ReCal-2 DIW/or Air (Circulator ON) 0,0 20,7 38-5,5 Varies Check Std read only 5 lope Cal 50(must be 3.75 to 6.25 or ±(5%+1NTU)) 52.6 49.9 Time Check- Hydrolab : 18: 19 Watch 15: 18: 20 Cleaned sensor: Created New File:E-KWT03-8-/02303 IBb = 10'3 A Battery used up 10 /23/03 Programmed to start at 1610 hrs on 10/23/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50) Data Terminal Cap: Silicone applied YN by EAH Cap burped. YN by EAH Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status. Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: Weather, Sea State, Currents and Other Observations Weather Conditions: Wind Direction: N NE E SE S SW W(NW) Wind Conditions: Calm Slight Breezy Strong Sea State: Calm (Slightly Rough) Very Rough Approx. Wave Height: / ft Tidal Stage: Falling Slack Low Rising Slack High Water Mass Boundary Present: Y (N) Surface Current Direction (flowing to): 5 and Speed: Current Monitoring Buoy: DGPS Serial No. \_\_\_\_\_ Track ID: Time deployed hrs, Time retrieved hrs Nominal depth to drum top: ft Obvious Cross Wind or Currents: Y/N Recent Ship Traffic: Y/D Lots of small boats Other Observations: Need to repair coupling joint of

### Key West Background Turbidity Field Sheet Station(s) E-KWT03-8 E-KWT03-Water and Air Research, Inc. Project: PPB/COE - Key West Background Turbidity 6821 S.W. Archer Road Project Number: 03-7333-03 Field Team Members: <u>ORF/TWM/EAH/MGD</u> Gainesville, Florida 32608 Phone: 352/372-1500 Calibration Date: 10/21/64 Retrieved HYDROLAB # 37 355 from Station E-KWT03- at 1030 hrs on 10/21/03. Downloaded File: E-KWT03- 8-101903 Checked file content. Yor N Backed up file Y) or N HYDROLAB # 3 7355 Deployed at Station E-KWT03- 8 at ~1/12 hrs on \_/0 /21/03. Time: 1050 **Turbidity** Calibration Responses (NTU) Standard PreCal Calibration PostCal ReCal-1 ReCal-2 DIW or Air 0.0 (Circulator ON) 19.2 Check Std read only (must be 3.75 to 6.25 or $\pm (5\%+1$ NTU)) Time Check- Hydrolab [0:50:00 Watch 10:49:59 Cleaned sensor: (Yes) or No Created New File: E-KWT03-8-102103 IBP = 10.6 V Battery used up 10/21/03Programmed to start at 1/20 hrs on 10/21/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50) Data Terminal Cap: Silicone applied: YN by TWM Cap burped: YN by TWM Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status. Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: Weather, Sea State, Currents and Other Observations Weather Conditions: Wind Direction: N (NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong Sea State: Calm (Sligh) Rough Very Rough Approx. Wave Height: $\sim$ ft Tidal Stage: Falling Slack Low Rising Slack High Water Mass Boundary Present: Y/N/ Sand Speed: \_\_\_\_\_ Surface Current Direction (flowing to): Current Monitoring Buoy: DGPS Serial No. \_\_\_\_\_ Track ID: Time deployed 1020 hrs, Time retrieved \_\_\_\_\_hrs Nominal depth to drum top: \_\_\_\_ ft Obvious Cross Wind or Currents: Y/N near Station 8 Recent Ship Traffic: Y/N Other Observations:

#### Key West Background Turbidity Field Sheet Station(s) E-KWT03-E-KWT03-Project: PPB/COE - Key West Background Turbidity Water and Air Research, Inc. 6821 S.W. Archer Road Project Number: 03-7333-03 Gainesville, Florida 32608 Field Team Members: Phone: 352/372-1500 Calibration Date: Retrieved HYDROLAB # from Station E-KWT03- at $hr s \phi n / /03$ . Checked file content: Y or N Baoked up file: Y or N Downloaded File:E-KWT03-HYDROLAB # Deployed at Station E-KWT03hrs on Turbidity Calibration Responsés (NTU) Time: Calibration Standard PreCal PostCal / ReCal-1 ReCal-2 (Circulator ON) DIW or Air 20 or 5 or read only Check Std (must be $3.75 \text{ to } 6.25 \text{ or } \pm (5\% + 1\text{NTU})$ ) Time Check- Hydrolab : : Watch Cleaned sensor: Yes or No $\mathbf{ABP} =$ Created New File:E-KWT03-V Battery used up / /03 Programmed to start at \_\_\_\_\_ hrs on / /03/ at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50) Data Terminal Cap: Silicone applied: Y/X by Cap burped: Y/N by \_\_\_\_\_ Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status. Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: hrs Weather, Sea State, Currents and Other Observations Weather Conditions: Wind Direction: N NI SE SE S SW W NW Wind Conditions: Calm Slight Breezy Strong Sea State: Calm Shight Rough Very Rough Approx. Wave Height: ft Tidal Stage: Falling/Slack Low Rising Slack High Water Mass Boundary Present: Y/N Surface Current Direction (flowing to): and Speed: mph DGPS Serial No. Current Monitoring Buoy: Track ID: Time deployed 0851 hrs, Time retrieved hrs Nominal depth to drum top: // ft Obvious Cross Wind or Currents (Y)/N Boat driffing Sw from bnoy Deployed between Station 8 and Fort Taglor Recent Shin Traffic: Y/N Recent Ship Traffic: Y / (N) Other Observations: Turbidity standards made by EAH overseen by Tuns on 10-21-03 at 0715. 20 NTU standard was made using 10ml of 4000NTU Formazin Turbity Standard and 1990ml of DIW. Sutu standard was brade using 2 12ml of 4000NTU Formazin

KW-BkgrdTurbFldSht3.doc 10/17/03 and 199712 ml of DIW.

#### Key West Background Turbidity Field Sheet Station(s) E-KWT03- 8 E-KWT03-Water and Air Research, Inc. Project: PPB/COE - Key West Background Turbidity 6821 S.W. Archer Road Project Number: 03-7333-03 Gainesville, Florida 32608 Phone: 352/372-1500 Calibration Date: Retrieved HYDROLAB # 37355 from Station E-KWT03-8 at 1850 hrs on 10/19/03. Downloaded File: E-KWT03-8-10/703 \_\_\_\_ Checked file content: Yor N Backed up file Yor N HYDROLAB # 37355 Deployed at Station E-KWT03- 8 at 1003 hrs on 10 / 19 /03. **Turbidity** Time: 09 25 Calibration Responses (NTU) Standard PreCal Calibration PostCal ReCal-1 ReCal-2 DÍW'br Air (Circulator ON) 0.0 0.0 23.3 Check Std read only (must be 3.75 to 6.25 or $\pm (5\%+1$ NTU)) Time Check- Hydrolab <u>09:41:13</u> Watch <u>09:41:00</u> Created New File: E-KWT03-8-101903 $IBP = 12.4 \text{ V} \quad \text{Battery used up } 10/19/03$ Programmed to start at 1000 hrs on 10/19/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50) Data Terminal Cap: Silicone applied: (Y) N by TWM Cap burped: (Y) N by TWM Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status. Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: \_\_\_\_\_ hrs Weather, Sea State, Currents and Other Observations Weather Conditions: Wind Direction: N(NE)E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong Sea State: Calm Slight Rough Very Rough Approx. Wave Height: </ Tidal Stage: Falling Slack Low Rising Slack High Water Mass Boundary Present (Y) N water from harber meeting s and Speed: Surface Current Direction (flowing to): DGPS Serial No. Current Monitoring Buoy: Track ID: Time deployed \_\_\_\_\_hrs, Time retrieved hrs Nominal depth to drum top: Obvious Cross Wind or Currents: Y/N Recent Ship Traffic: Y

Other Observations:

Water and Air Rese	earch. Inc.	Project: P	PB/COE - Key V		-KWT03- <u>&amp;</u> und Turbidit
6821 S.W. Archer Road			mber: 03-7333-		and rarbian,
Gainesville, Florida	ı 32608		Members: 500		6D
Phone: 352/372-150	00		Date:		
			·		
Retrieved HYDROI	LAB# 37355	from Station E	-KWT03- 👸 a	t <u>6930</u> hrs o	n <u>10 /17</u> /03
Downloaded Filena	me:E-Kw703-8-10150	03 Checked	file content: No	r N Backed u	p file: <b>Ø</b> or N
HYDROLAB # 3	7755 Deployed a	nt Station <u>E-KV</u>	VT03-8 at /Z	15 hrs on _/	D / 17/03
Turbidity	Time:		ibration Respons		
<u>Calibration</u>	Standard	PreCal	PostCal		ReCal-2
Circulator ON)	DIW or Air	0.5	D. D	O. D	8-0
	50 or <u>7</u> 3	17.0	17.5 FOR 18 CAL	18.6 QU	
Check Std	5 or read only	6.4		4.9	
(	(must be 3.75 to 6.25 or $\pm (5\%)$	%+1NTU))	<del>"-</del>		
reated New File: <u>E</u> rogrammed to start Pata Terminal Cap:	olab <u>6:85</u> : Wa -101703-8-101703 t at <u>1730</u> hrs on <u>10</u> Silicone applied: <u>Y</u>	IBP = <u>[0.5]</u> / <u>[7</u> /03 at 2-n] N by Twn	V Batte nin. intervals. (sta	art times at 00, 10 d: 10 by	//03.No 0, 20, 30, 40, 50
Programmed to start Data Terminal Cap:	t at <u>1730</u> hrs on <u>10</u>	IBP = <u>[0.5]</u> // <u>17</u> /03 at 2-m N byw n 9.7 volts. Co	N Batte nin. intervals. (sta Cap burped purplete some item	ry used up rt times at 00, 10 d: Y/N by ms by reading	//03.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Programmed to start Partial Cap:  Replace batteries whotes/Comments/M  Veather, Sea State	t at <u>1730</u> hrs on <u>/0</u> Silicone applied: <u>Y</u> hen voltage is less tha laintenance (Identify ve., Currents and Other	IBP = <u>[0.5]</u> //7/03 at 2-m N by which Hydrolal  Property Observation	N Batte nin. intervals. (standard Cap burped complete some items): Collected Sides	ry used up rt times at 00, 10 d: \( \frac{\frac{N}}{N} \) by _ ms by reading de-By-Side at:	//03.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
reated New File: Erogrammed to start Pata Terminal Cap: Leplace batteries what Iotes/Comments/Market Veather, Sea State	t at <u>1730</u> hrs on <u>/0</u> Silicone applied: <u>Y</u> hen voltage is less tha laintenance (Identify ve., Currents and Other	IBP = <u>[0.5]</u> //7/03 at 2-m N by which Hydrolal  Property Observation	N Batte nin. intervals. (standard Cap burped complete some items): Collected Sides	ry used up rt times at 00, 10 d: \( \frac{\frac{N}}{N} \) by _ ms by reading de-By-Side at:	//03.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
reated New File: Erogrammed to start Pata Terminal Cap: Leplace batteries what Iotes/Comments/Market Veather, Sea State	t at <u>1730</u> hrs on <u>10</u> Silicone applied: <u>Y</u> hen voltage is less that laintenance (Identify v	IBP = <u>[0.5]</u> //7/03 at 2-m N by which Hydrolal  Property Observation	N Batte nin. intervals. (standard Cap burped complete some items): Collected Sides	ry used up rt times at 00, 10 d: \( \frac{\frac{N}}{N} \) by _ ms by reading de-By-Side at:	//03.w 0, 20, 30, 40, 50 // // // g File Status. : hrs
reated New File: Erogrammed to start at Terminal Cap: eplace batteries who total Comments of Meather, Sea State Veather Conditions Vind Direction: N	t at 1730 hrs on 10 Silicone applied: Y hen voltage is less that laintenance (Identify voltage)  c, Currents and Other  NE (H SE S SW W	IBP = <u>[0.5]</u> N by Twn  On 9.7 volts. Co  which Hydrolal  or Observation  N NW Wind	V Batte nin. intervals. (sta Cap burped pmplete some item b): Collected Sid  Conditions: Cal	ry used up	//03.No. 0, 20, 30, 40, 50 7 / / / / g File Status. : hrs
reated New File: Erogrammed to start of the	t at 1730 hrs on 10 Silicone applied: 10 hen voltage is less that laintenance (Identify ve., Currents and Others: 124 NE A SE S SW W. Sight Rough Very	IBP = 10.5 1/17/03 at 2-m  N by Twn  n 9.7 volts. Co  which Hydrolal  er Observation  N W Wind  y Rough	V Batte nin. intervals. (sta Cap burped pmplete some item b): Collected Sid  Conditions: Cal	ry used up	//03.No. 0, 20, 30, 40, 50 7 / / / / g File Status. : hrs
reated New File: Erogrammed to start of the Parameter of the Start of the Parameter of the	t at 1230 hrs on 10 Silicone applied: 12 hen voltage is less that laintenance (Identify very see that the see	IBP = <u>[0.5]</u> N by Jwn on 9.7 volts. Co which Hydrolal er Observation N NW Wind y Rough Slack High	V Batte nin. intervals. (sta Cap burped complete some item b): Collected Sic as  Conditions: Cal Approx. Way	ry used up	//03.\overline{\sigma} 0, 20, 30, 40, 50 7 \widthar g File Status. : hr:
reated New File: Erogrammed to start at Terminal Cap: eplace batteries who to the comments of	t at 1730 hrs on 10 Silicone applied: 10 hen voltage is less that laintenance (Identify ve., Currents and Others: 124 NE A SE S SW W. Sight Rough Very	IBP = <u>[0.5]</u> N by Jwn on 9.7 volts. Co which Hydrolal er <b>Observation</b> N NW Wind y Rough Slack High	V Batte nin. intervals. (sta Cap burped complete some item b): Collected Sic as  Conditions: Cal Approx. Way	ry used up	//03.\overline{\sigma} 0, 20, 30, 40, 50 7 \widthar g File Status. : hr:
reated New File: Erogrammed to start of the	t at 1730 hrs on 10 Silicone applied: 12 hen voltage is less that laintenance (Identify voltage)  c, Currents and Other  NE F SE S SW W Sight Rough Very  Slight Rough Very  Slack Low Rising ary Present: Y/N  ection (flowing to):	IBP = 105  1/7/03 at 2-m  N by Tww  n 9.7 volts. Co  which Hydrolal  er Observation  N W Wind  y Rough  Slack High  and S	V Batte nin. intervals. (sta Cap burped omplete some iter b): Collected Sic  Sic Approx. Wave peed:	ry used up	//03.No. 0, 20, 30, 40, 50  7
reated New File: Erogrammed to start Terminal Cap: Leplace batteries who lotes/Comments/Meather, Sea State Weather Conditions Wind Direction: Nea State: Calm Cidal Stage: Falling Vater Mass Boundar urface Current Directurent Monitoring	t at 1730 hrs on 10 Silicone applied: 12 hen voltage is less that laintenance (Identify voltage)  c, Currents and Other  NE ( SE S SW W Sight Rough Very  Slight Rough Very  Slight Rough Very  Slight Rough Very  Slight Rough Very  Buoy: DGPS Seria	IBP = 10.5  1/7/03 at 2-m  N by Twn  In 9.7 volts. Co  which Hydrolal  er Observation  N W Wind  y Rough  Slack High  and S  al No.	V Batte nin. intervals. (sta Cap burped pomplete some item b): Collected Sic  as  Conditions: Cal Approx. Wave peed: m Trace	ry used up	//03.No. 0, 20, 30, 40, 50 7 / / / / g File Status. : hr:
Programmed to start Data Terminal Cap: Replace batteries whotes/Comments/Mather, Sea State Veather Conditions Vind Direction: Note a State: Calm Calling Vater Mass Boundar ourface Current Directions Current Monitoring Time deployed	t at 1730 hrs on 10 Silicone applied: 12 hen voltage is less that laintenance (Identify voltage)  c, Currents and Other  NE F SE S SW W Sight Rough Very  Slight Rough Very  Slack Low Rising ary Present: Y/N  ection (flowing to):	IBP = 10.5  1/7/03 at 2-m  2 N by Twn  2 n 9.7 volts. Co  3 which Hydrolal  4 Observation  4 NW Wind  5 Y Rough  5 Slack High  and Second Seco	V Batte nin. intervals. (sta Cap burped complete some item b): Collected Sic as  Conditions: Cal Approx. Wave  peed: m  Trac Nominal depth to	ry used up	//03.No. 0, 20, 30, 40, 50  7
Programmed to start Programmed to start Programmed to start Programmed to start Programmed Explace batteries who to the Programments of the Programment Programmen	t at 1230 hrs on 10 Silicone applied: 12 hen voltage is less that laintenance (Identify voltage)  c, Currents and Other  NE (I SE S SW W Signo Rough Very	IBP = 105  2 / 17/03 at 2-m  2 N by Tww  2 n 9.7 volts. Co  3 which Hydrolal  4 r Observation  4 NW Wind  5 Y NW Wind  6 y Rough  6 Slack High  6 and S  6 hrs	V Batte nin. intervals. (sta Cap burped pmplete some iter b): Collected Sic  as  Conditions: Cal Approx. Wave peed: m Trac Nominal depth to	ry used up	_//03.NG 0, 20, 30, 40, 50 7

Key West B	ackground Tu	irbidity F	ield Sheet	t Station(s) E	-кwт03- <u>в</u>		
Water and Air Research, Inc. 6821 S.W. Archer Road Gainesville, Florida 32608 Phone: 352/372-1500		Project Nur	Project: PPB/COE - Key West Background Turbidity Project Number: 03-7333-03 Field Team Members: 54C, 7wm, MG Calibration Date: 10/15/03				
		Calibration					
Retrieved HYDRO	LAB# 37355	from Station <u>E</u>	-KWT03- <i>В</i>	at <u>//oo</u> hrs o	n /0 //5 /03.		
	me: E-KWT03-B-1						
HYDROLAB #_3	7355 Deployed a	at Station <u>E-KW</u>	VT03- <b>&amp;</b> at /	145 hrs on /	1 /15/03.		
Turbidity Calibration	Time: 115 Standard	Cal PreCal	ibration Respor	nses (NTU) ReCal-1	ReCal-2		
(Circulator ON)	DIW or Air	1.1-1.2	_	$0 \cdot 0$	Recar-2		
Check Std	50 or <u>ZJ</u> 5 or read only (must be 3.75 to 6.25 or ±(59)	<u></u>	201				
Replace batteries w	Silicone applied:  hen voltage is less that laintenance (Identify	ın 9.7 volts. Co	omplete some it	ems by reading	File Status.		
·	e, Currents and Othe		· · · · · · · · · · · · · · · · · · ·	ide by blue at.			
	: W(N)						
Sea State: Calm Tidal Stage: Falling	NE E SE S SW V Slight Rough Ver G Slack Low Rising ary Present: Y/O	y Rough Slack High	Approx. Wa		ft ft		
	ection (flowing to): _						
	Buoy: DGPS Seri				l l		
	hrs, Time retrieved or Currents: Y/N				-		
Recent Ship Traffic	: <u>Y/N</u>						

# Key West Background Turbidity Field Sheet Station(s) E-KWT03- 3 Project: PPB/COE - Key West Background Turbidity Water and Air Research, Inc. 6821 S.W. Archer Road Project Number: 03-7333-03 Field Team Members: TFB, SAC, TWM, ONH Gainesville, Florida 32608 Calibration Date: 10/13/03 Phone: 352/372-1500 Retrieved HYDROLAB # 37355 from Station E-KWT03- & at 1204 hrs on 10/13/03. Downloaded Filename: E-kw703-8-10105 Checked file content? Yor N Backed up file: Yor N HYDROLAB # 37355 Deployed at Station E-KWT03- & at 1736 hrs on 10 /13 /03. Time: 12:10 Standard Turbidity Calibration Responses (NTU) PreCal Calibration PostCal ReCal-1 ReCal-2 0.0 199-2011 20.5-2016 DIW or Air (Circulator ON) 50 or <u>20</u> $\begin{array}{c|c} \hline \text{(for } \underline{\text{read only}} & 3.0 - 3.1 \\ \hline \text{(must be } 3.75 \text{ to } 6.25 \text{ or } \pm (5\% + 1 \text{NTU})) \end{array}$ Check Std Time Check-Hydrolab Created New File: E-KwT03-8-101703 IBP = 11.1 V Battery used up WQ0N603. Programmed to start at 1240 hrs on 10/13/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50) Data Terminal Cap: Silicone applied: Q/N by SAC Cap burped: Q/N by SAC Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status. Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: hrs Weather, Sea State, Currents and Other Observations Weather Conditions: (LEAR & SUNM Wind Direction: N NE E SP S SW W NW Wind Conditions: Calm Slight Breezy Strong Sea State: Calm Slight Rough Very Rough Approx. Wave Height: 61 Tidal Stage: Falling Slack Low Rising) Slack High Water Mass Boundary Present: Y / N Surface Current Direction (flowing to): NONE and Speed: pmph Current Monitoring Buoy: DGPS Serial No. \_\_\_\_\_ Track ID: Time deployed \_\_\_\_\_hrs, Time retrieved hrs Nominal depth to drum top: ft Obvious Cross Wind or Currents: Y/N Recent Ship Traffic: Y / N Other Observations:

## Key West Background Turbidity Field Sheet Station(s) E-KWT03-8 E-KWT03- & Water and Air Research, Inc. Project: PPB/COE - Key West Background Turbidity 6821 S.W. Archer Road Project Number: 03-7333-03 Gainesville, Florida 32608 Field Team Members: TEB ONH Phone: 352/372-1500 Calibration Date: <del>PG</del> 10/11/03 Retrieved HYDROLAB # 37355 from Station E-KWT03-8 at 1017 hrs on 10/11/03. Downloaded Filename: E-KWT 03-8-1000 Checked file content: Wor N Backed up file Wor N HYDROLAB # 37355 Deployed at Station E-KWT03- 8 at 1041 hrs on 10 / 11 /03. Time: <u>[020</u> **Turbidity** Calibration Responses (NTU) Calibration PreCal PostCal ReCal-1 ReCal-2 0.0 (Circulator ON) 0.0 DIW or Air 50 or 20 21.1-3.8-4.0 5 or \_\_\_ read only 3.8-4.0 5.6-5.8 Check Std (must be 3.75 to 6.25 or $\pm (5\% + 1NTU)$ ) Time Check-Hydrolab Cys. Watch : : Cleaned sensor: Yes or No Created New File: $\cancel{\textbf{E-twt03-8-101105}}$ IBP = $\cancel{12.3}$ V Battery used up $\cancel{11/3}$ /03. Programmed to start at 1050 hrs on 10/11/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50) Data Terminal Cap: Silicone applied: (Y) N by TF3 Cap burped: (Y) N by TF3 Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status. Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: Weather, Sea State, Currents and Other Observations Weather Conditions: PARTLY CLOUDY Wind Direction: N NE ESE'S SW W NW Wind Conditions: Calm Slight Breezy Strong Sea State: Calm Slight Rough Very Rough Approx. Wave Height: 41 ft Tidal Stage: Falling Slack Low Rising Slack High Water Mass Boundary Present: Y / N Surface Current Direction (flowing to): \_\_\_\_\_ and Speed: \_\_\_\_\_ mph Current Monitoring Buoy: DGPS Serial No. Track ID: Time deployed \_\_\_\_\_hrs, Time retrieved \_\_\_\_\_hrs Nominal depth to drum top: \_\_\_\_\_ft Obvious Cross Wind or Currents: Y /N Recent Ship Traffic: Y / N

Other Observations: Changed hatteries, power loss ressage

#### Key West Background Turbidity Field Sheet Station(s) E-KWT03-8 E-KWT03- 8 Water and Air Research, Inc. Project: PPB/COE - Key West Background Turbidity 6821 S.W. Archer Road Project Number: 03-7333-03 Gainesville, Florida 32608 Field Team Members: TFB ONH Phone: 352/372-1500 Calibration Date: 10/9/03 Retrieved HYDROLAB # 37355 from Station E-KWT03- 8 at 0920 hrs on 10/9/03. Downloaded Filename: E-kuru 3-8-100703 Checked file content: Y or N Backed up file: Y or N HYDROLAB # 37355 Deployed at Station E-KWT03- 8 at 0950 hrs on 10 / 9 /03. **Turbidity** Time: 6930 Calibration Responses (NTU) Calibration Standard PreCal PostCal ReCal-1 ReCal-2 DIW or Air (Circulator ON) 0.0 0,0 0.0 50 ox 20 19.8-20,1 Check Std 50r read only 4.7-5.0 (must be 3.75 to 6.25 or $\pm (5\% + 1NTU)$ ) Time Check- Hydrolab GPS V: Watch : : Cleaned sensor: (Yes) or No Created New File: E-kwT03-8-100903 IBP = 10.9 V Battery used up $_{-}$ $\frac{-/--./0}{2}$ . Programmed to start at <u>pq50</u> hrs on <u>10/9/03</u> at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50) Data Terminal Cap: Silicone applied: (Y) N by TPR Cap burped: (Y) N by TPR Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status. Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: hrs Weather, Sea State, Currents and Other Observations Weather Conditions: \_CLEAR Wind Direction: N NE SE S SW W NW Wind Conditions: Calm Slight Breezy Strong Sea State: Calm Slight Rough Very Rough Approx. Wave Height: 1-2 ft Tidal Stage: Falling Slack Low (Rising Slack High Water Mass Boundary Present: Y / N Surface Current Direction (flowing to): \_\_\_\_\_ and Speed: < \ \_\_\_ mph Current Monitoring Buoy: DGPS Serial No. Track ID: Time deployed \_\_\_\_hrs, Time retrieved \_\_\_\_hrs Nominal depth to drum top: \_\_\_\_ft Obvious Cross Wind or Currents: Y/N Recent Ship Traffic (Y) N Cruise Ship Cane in just prior to spryicing

Other Observations:

#### Key West Background Turbidity Field Sheet Station(s) E-KWT03-E-KWT03- 8 Water and Air Research, Inc. Project: PPB/COE - Key West Background Turbidity 6821 S.W. Archer Road Project Number: 03-7333-03 Gainesville, Florida 32608 Field Team Members: TFB, ONK Calibration Date: \_/6/63 Phone: 352/372-1500 Downloaded Filename: from Station E-KWT03- at hrs on \_\_/\_\_/03. Checked file content: Y or N Backed up file: Y or N RIY HYDROLAB # 37355 Deployed at Station E-KWT03- 8 at 1035 hrs on 10 /7 /03. Time: 1136 Turbidity Calibration Responses (NTU) OST CHECK ReCal-2 Calibration Standard PreCal PostCal (Circulator ON) (DIW) or Air 0.7 0.0 (500r 50.7 50.1-50.2 5 or \_\_\_ read only Check Std 5.4 (must be 3.75 to 6.25 or $\pm (5\% + 1$ NTU)) Time Check- Hydrolab <u>GPSS€7</u> Watch \_\_:\_\_:\_\_ Cleaned sensor: Yes or No Programmed to start at 1040 hrs on 10/7/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50) Data Terminal Cap: Silicone applied: 8/N by TFB Cap burped: 6/N by TFR Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status. Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: hrs Weather, Sea State, Currents and Other Observations Weather Conditions: PARTLY (LOUDY Wind Direction: NNE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong Sea State: Calm Slight Rough Very Rough Approx. Wave Height: 0.5 ft Tidal Stage: Falling Slack Low Rising Slack High Water Mass Boundary Present: Y / N Surface Current Direction (flowing to): Sw and Speed: 15-2.0mph Current Monitoring Buoy: DGPS Serial No. Track ID: Time deployed \_\_\_\_hrs, Time retrieved \_\_\_\_hrs Nominal depth to drum top: \_\_\_\_ft Obvious Cross Wind or Currents: Y/N Recent Ship Traffic: Y/N

Other Observations: RESET (LOCK TO DGB TIME